

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-085782

(43)Date of publication of application : 02.04.1996

(51)Int.Cl.

C09K 5/00
C09K 3/00
C10M169/04
//(C10M169/04
C10M105:14
C10M125:20
C10M125:26
C10M125:10
C10M129:42
C10M129:50
C10M135:36)
C10N 10:02
C10N 30:08
C10N 40:00

(21)Application number : 06-246746

(71)Applicant : NIPPON CHEM KOGYO KK

(22)Date of filing : 16.09.1994

(72)Inventor : WATANABE HISANORI
SUGIYAMA SATOSHI

(54) ANTIFREEZE COMPOSITION

(57)Abstract:

PURPOSE: To obtain an antifreeze composition that is inexpensive and excellent in corrosion suppression action.

CONSTITUTION: An antifreeze composition whose major component is ethylene glycol, propylene glycol, or diethylene glycol, or a mixture of these contains 1) 0.5 to 5wt.% dodecanedioic acid or its sodium salt or potassium salt, 0.1 to 6wt.% p-tert-butylbenzoic acid or its sodium salt or potassium salt, and 0.05 to 1.0wt.% triazoles and 2) at least one selected from the group consisting of silicates, molybdates, nitrates, benzoates, and thiazole salts, and is free from 3) amine salts, phosphates, borates, and nitrites. Therefore, the antifreeze composition is excellent in an ability of suppressing corrosion of metals that are used for internal combustion engines and has an excellent corrosion suppressing power with the added amount of the dodecanedioic acid decreased in comparison with the case where dodecanedioic acid alone is used.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]